

Chemical reaction scheme showing the synthesis of poly(2-vinylpyridine) (PVP) from 2-vinylpyridine (VAc) and a catalyst. The scheme includes the monomer structure, the catalyst structure, and the polymerization reaction.

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Figure 1 is a schematic diagram of the experimental setup. It shows a central rectangular block labeled "POLYMER BLEND". A vertical arrow points upwards from this block, labeled "POLYMER SOLUTION". To the right of the central block, there is a vertical stack of three rectangular blocks, each labeled "POLYMER SOLUTION". To the left of the central block, there is another vertical stack of three rectangular blocks, each labeled "POLYMER SOLUTION". The entire setup is enclosed in a rectangular frame with a dashed line on the right side.

